Washington Latin -- Honors Pre-Calculus

Using Logarithms for Calculations

1. In the tables given, find the values for log2, log3 and log 5 to 3 decimal places.

log 2 = \_\_\_\_\_\_\_\_\_\_\_\_\_ , log 3 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_ , log 5 = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.

2. Using the above values, find the following:

a. Log 25 = b. log 50 =

c. Log 500 = d. log 5,000

3. Find the following:

a. log 15 = b. log 75 =

c. log 1.5 = d. log 0.2 =

4. Find the following:

a.  b. 

c.  d. 

5. Find the following:

a. log 18 = b. log 180 =

c. log 1800 d. log 1.8 =

6. Find the following:

a.  b. 